

Major tasks

COST SUMMARY Burner design review, modifications, fuel flow
balancing and testing

~~Defer Costs~~
\$350K

<u>Phase</u>	<u>Description</u>	<u>Costs</u>
RJM	1. Burner Design Review - initial drawings now - Bld detail drawings (Aug-wid)	\$ 46,200
RJM	2. Swirlers (per unit \$87,000) Left hand/Right hand 4 Holes-scanners / lighter / sight port	\$174,000 #27K
RJM	3. 3-D Air Flow Model (math) turning vanes	\$ 76,000
RJM	4. Air Flow Balancing (per unit \$40,000) Shrouding, Arr Heater to Air Heater Contingency (Meetings, additional evaluations, and testing delays @10%)	\$ 80,000 #42K \$ 37,600
SUBTOTAL		<u>\$413,800</u>
5. IPSC fuel flow balancing (additional restrictors and changeouts)		\$ 68,000
6. IPSC Combustion Testing (NOx and LOI analyzers)		<u>\$ 44,000</u>
SUBTOTAL		\$112,800
TOTAL		\$525,800

Air Flow Monitoring + Control

Scanners 2 scanner [or]

T/C's relocate

Barby - sweep + clear
inert

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